

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645429 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645429 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3D-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

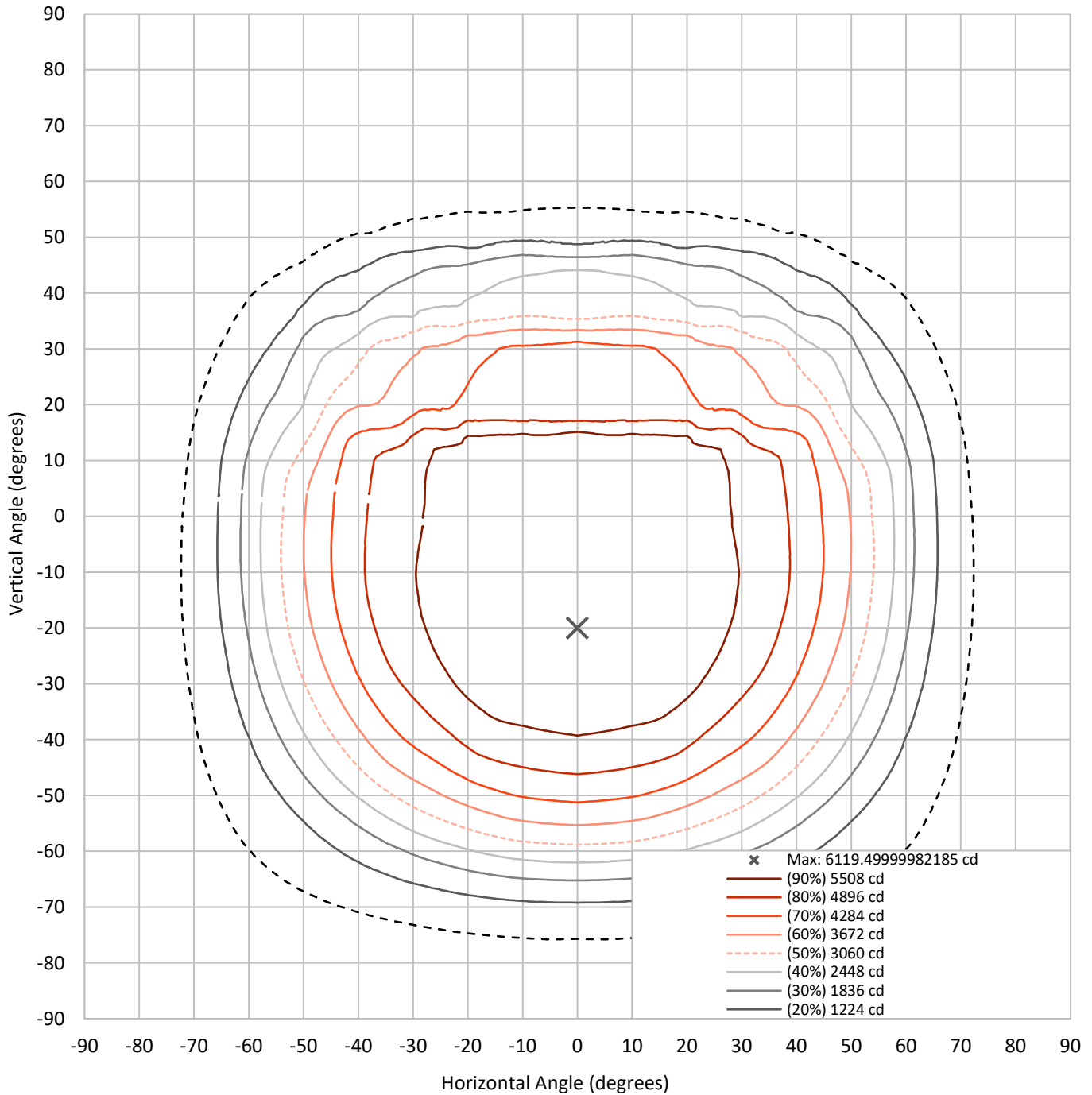
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14349 lumens	Max Intensity:	6119.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	89.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	11217.2 lumens	Field Lumens:	14064 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	160.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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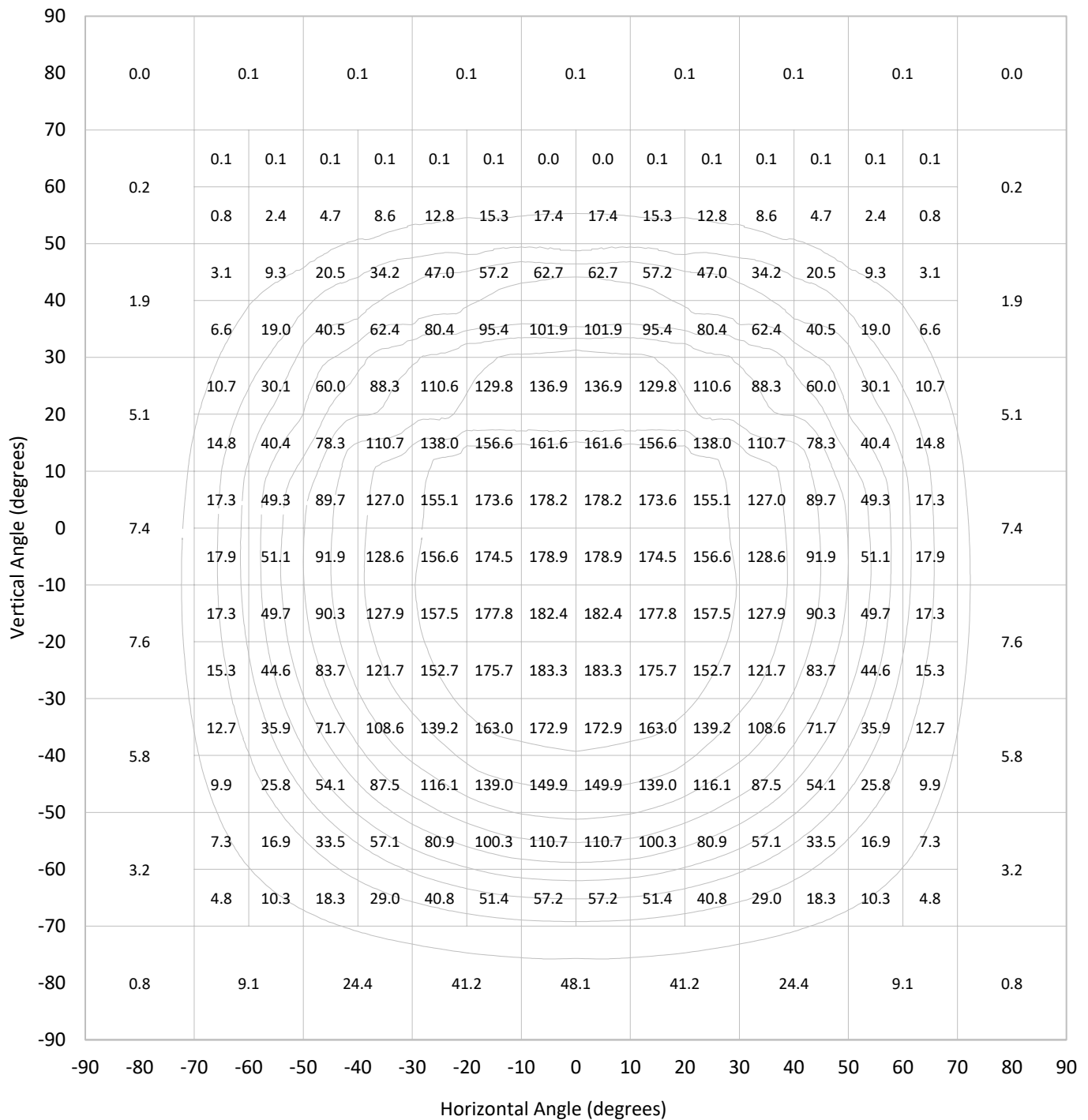
Iso-Candela Plot





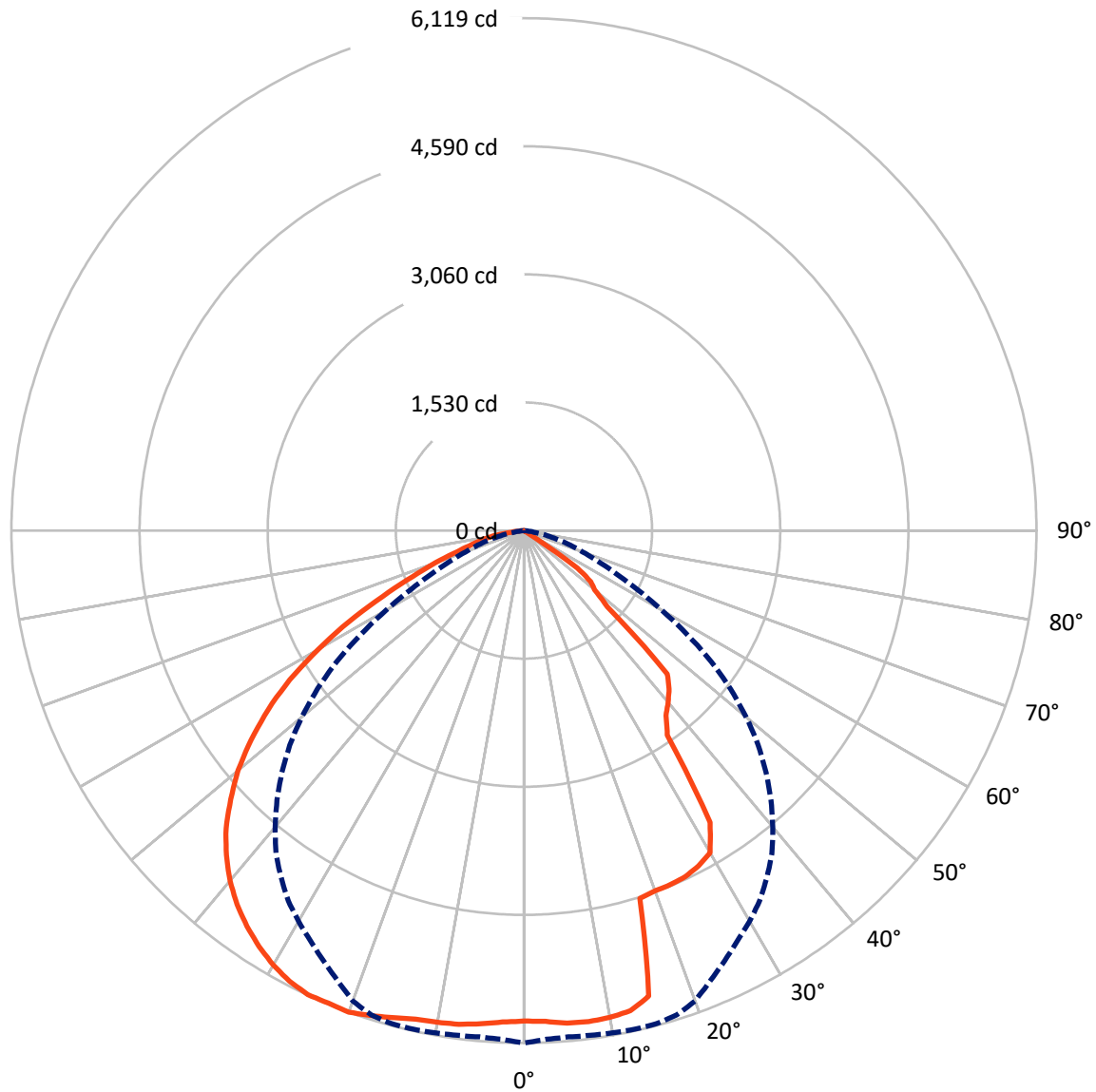
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Lumen Table



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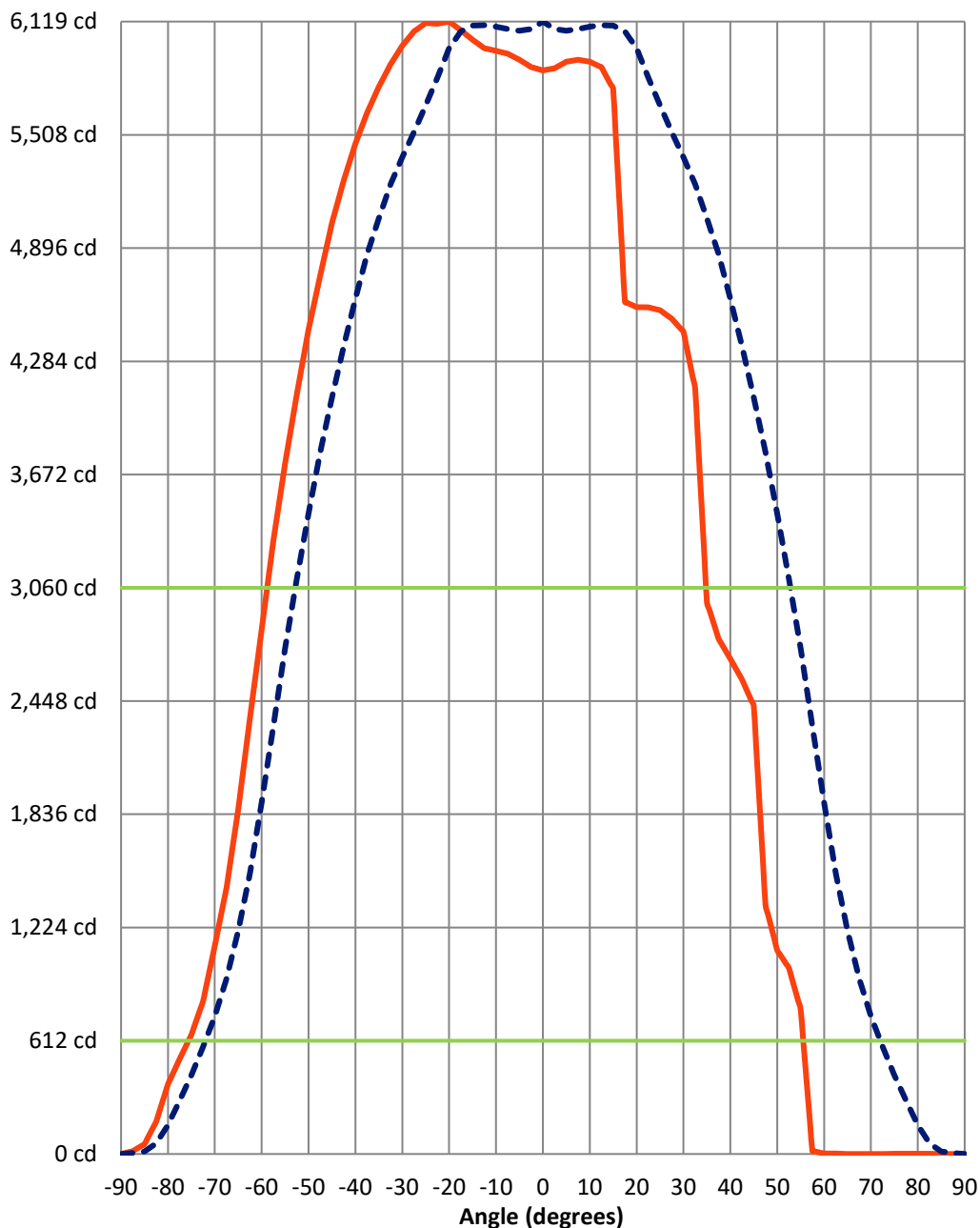
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 11217.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 14064
 Efficiency: 98.0%

Spill:
 Lumens: 285
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -20-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.6	0.6
85°	0.0	0.3	0.5	0.7	0.9	1.1	1.3	1.4	1.3	1.3	1.1
82.5°	0.0	0.4	0.7	1.0	1.4	1.7	2.0	2.1	2.0	1.6	1.3
80°	0.0	0.6	0.9	1.4	1.8	2.2	2.6	2.3	2.0	1.7	1.3
77.5°	0.0	0.7	1.1	1.7	2.2	2.6	2.6	2.3	2.0	1.7	1.4
75°	0.0	0.8	1.4	2.0	2.6	2.7	2.6	2.3	2.0	1.7	1.4
72.5°	0.0	1.0	1.6	2.3	2.7	2.8	2.7	2.4	2.1	1.7	1.4
70°	0.0	1.1	1.8	2.6	2.9	2.9	2.7	2.4	2.1	1.8	2.1
67.5°	0.0	1.3	2.1	2.8	3.0	3.0	3.1	2.4	2.2	2.9	2.9
65°	0.0	1.4	2.3	2.9	3.1	3.5	3.5	2.5	3.5	4.1	5.1
62.5°	0.0	1.5	2.5	3.0	3.3	4.3	4.1	3.5	4.8	7.1	11.4
60°	0.0	1.7	2.8	3.1	3.4	5.2	4.8	4.9	6.2	18.1	19.7
57.5°	0.0	1.8	2.9	3.3	4.4	6.3	8.9	6.9	17.7	30.8	35.8
55°	0.0	1.9	3.1	3.4	5.5	7.4	14.2	11.2	32.9	47.5	58.0
52.5°	0.0	2.1	3.2	3.6	6.7	9.5	20.4	28.6	49.4	74.6	84.1
50°	0.0	2.2	3.4	3.7	7.9	16.2	27.5	48.3	70.7	104.7	131.3
47.5°	0.0	2.3	3.5	4.1	9.1	23.4	37.0	69.0	101.9	137.9	179.6
45°	0.0	2.4	3.7	5.1	10.4	31.2	55.9	90.7	136.8	179.8	226.5
42.5°	0.0	2.6	3.8	6.1	11.8	39.4	75.2	118.1	172.3	220.5	280.6
40°	0.0	2.7	4.0	7.3	15.9	48.1	95.0	149.4	208.9	260.5	338.5
37.5°	0.0	2.8	4.2	8.9	22.7	57.3	115.1	180.7	247.3	308.6	398.9
35°	0.0	2.9	4.3	10.7	29.6	71.1	135.5	212.0	286.3	367.5	470.3
32.5°	0.0	3.0	4.5	12.6	36.6	87.3	157.7	243.1	325.7	426.9	557.1
30°	0.0	3.1	4.7	14.6	43.7	103.3	183.0	274.6	365.5	486.3	640.5
27.5°	0.0	3.2	4.8	16.9	52.4	119.1	207.8	307.4	409.2	545.7	720.1
25°	0.0	3.3	5.0	19.2	61.3	134.6	232.1	339.8	458.6	610.6	796.1
22.5°	0.0	3.4	5.2	21.6	70.2	150.5	255.6	371.7	507.0	675.4	872.9
20°	0.0	3.5	5.3	24.1	79.1	167.5	278.3	402.9	554.1	736.6	947.9
17.5°	0.0	3.5	5.5	26.6	87.7	183.9	300.8	433.2	599.7	793.9	1020.6
15°	0.0	3.6	5.7	29.2	96.2	199.7	322.4	461.4	643.5	847.5	1090.4
12.5°	0.0	3.7	5.8	31.7	104.4	214.8	342.6	486.5	678.5	897.1	1156.8
10°	0.0	3.7	6.0	34.2	112.2	229.1	361.4	509.7	704.6	926.8	1210.9
7.5°	0.0	3.8	6.1	36.6	119.6	242.4	378.6	530.8	726.8	949.9	1242.4
5°	0.0	3.8	6.3	38.9	126.5	254.6	394.3	549.8	745.3	968.5	1268.1
2.5°	0.0	3.9	6.4	41.1	132.8	265.8	408.3	566.7	760.3	982.8	1287.7
0°	0.0	3.9	6.5	43.1	138.5	275.7	420.7	581.4	772.1	992.9	1301.2
-2.5°	0.0	4.1	7.5	45.9	143.8	282.0	426.9	590.0	776.3	1005.7	1310.0
-5°	0.0	4.3	8.5	48.5	148.2	286.9	431.3	596.2	777.8	1014.1	1312.8
-7.5°	0.0	4.5	9.5	50.8	151.9	290.5	434.2	600.1	776.7	1017.4	1309.9
-10°	0.0	4.7	10.4	52.8	154.7	292.8	435.5	601.6	773.4	1015.5	1301.6
-12.5°	0.0	4.9	11.3	54.5	156.5	293.7	435.3	600.6	768.1	1007.3	1287.3
-15°	0.0	5.1	12.2	55.8	157.4	293.3	433.6	597.1	762.0	991.3	1266.6
-17.5°	0.0	5.2	13.0	56.8	157.3	291.5	430.4	589.9	754.6	971.3	1239.6
-20°	0.0	5.4	13.7	57.4	156.2	288.4	425.5	579.6	744.0	947.5	1206.4

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.5	14.4	57.5	154.0	284.0	418.4	567.2	730.3	920.1	1166.8
-25°	0.0	5.5	14.9	57.3	150.7	277.2	409.6	552.9	713.3	889.2	1121.1
-27.5°	0.0	5.6	15.4	56.6	146.3	268.7	399.2	536.6	693.1	859.3	1080.6
-30°	0.0	5.7	15.8	55.4	140.8	259.0	387.2	518.5	671.0	834.0	1037.3
-32.5°	0.0	5.7	16.1	53.8	134.4	248.2	373.5	501.7	647.5	804.8	991.0
-35°	0.0	5.7	16.4	51.7	127.3	236.2	358.7	484.0	622.1	771.7	941.9
-37.5°	0.0	5.6	16.5	49.1	119.4	224.2	342.9	464.5	595.0	734.7	893.4
-40°	0.0	5.6	16.5	46.0	110.9	213.3	325.8	443.1	566.0	699.8	845.6
-42.5°	0.0	5.5	16.4	42.7	104.4	201.6	307.5	419.9	538.1	662.8	794.0
-45°	0.0	5.4	16.2	39.4	100.0	189.2	288.0	396.0	509.5	623.5	740.6
-47.5°	0.0	5.2	15.9	35.5	94.8	176.1	267.5	372.0	478.9	582.1	694.4
-50°	0.0	5.1	15.5	34.3	88.8	162.3	250.3	346.8	445.1	544.2	646.0
-52.5°	0.0	4.9	15.0	33.6	82.0	147.8	233.1	320.5	412.7	505.2	596.3
-55°	0.0	4.7	14.4	32.6	74.5	136.8	215.3	293.9	380.2	465.1	552.3
-57.5°	0.0	4.5	13.8	31.1	66.3	125.7	196.8	272.8	346.6	426.7	507.3
-60°	0.0	4.2	13.0	29.4	57.6	113.5	177.9	249.4	313.0	387.8	462.2
-62.5°	0.0	4.0	12.2	27.3	53.6	100.4	160.8	224.0	281.9	347.9	418.2
-65°	0.0	3.7	11.3	24.9	48.9	86.4	142.4	197.6	248.9	307.9	373.0
-67.5°	0.0	3.3	10.4	22.3	43.7	74.7	122.8	171.4	214.2	266.1	324.3
-70°	0.0	3.0	9.4	19.3	38.0	65.4	102.2	144.6	183.1	222.4	272.5
-72.5°	0.0	2.7	8.4	17.0	31.9	55.4	86.4	117.2	151.5	186.2	221.4
-75°	0.0	2.3	7.3	14.8	25.4	44.7	70.7	94.5	119.2	149.5	180.2
-77.5°	0.0	2.0	6.1	12.5	21.0	33.6	54.1	73.0	92.7	114.0	138.3
-80°	0.0	1.6	4.9	10.1	17.0	25.6	36.9	51.2	66.4	82.9	100.6
-82.5°	0.0	1.2	3.7	7.6	12.8	19.3	27.1	32.9	39.7	51.3	63.8
-85°	0.0	0.8	2.5	5.1	8.6	13.0	18.2	22.0	25.9	29.9	34.2
-87.5°	0.0	0.4	1.3	2.6	4.3	6.5	9.1	11.0	13.0	15.0	17.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.5	1.7	1.6	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	2.0	2.1	1.8	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.3
67.5°	2.5	2.2	1.9	1.8	1.8	2.0	1.9	1.6	1.3	1.3	1.3
65°	2.6	2.3	3.3	3.7	2.7	2.3	2.0	1.7	1.8	1.9	1.9
62.5°	3.9	4.9	6.2	11.1	8.2	2.4	4.3	5.1	3.7	3.1	3.3
60°	12.8	8.7	25.8	36.9	23.0	8.4	10.3	34.1	29.6	5.4	18.4
57.5°	26.9	36.8	67.8	69.0	47.8	33.0	95.8	110.7	83.8	48.9	74.8
55°	59.1	90.8	112.5	104.1	113.7	172.2	204.6	183.8	154.7	237.9	304.0
52.5°	115.4	147.8	155.1	178.1	254.9	292.9	280.6	300.1	389.2	483.3	503.7
50°	170.4	196.8	217.4	314.4	374.5	378.3	406.2	494.4	613.2	670.9	656.9
47.5°	223.5	250.9	346.9	440.1	467.1	504.1	573.8	744.2	870.0	872.5	858.2
45°	279.6	352.8	475.4	536.2	580.0	651.5	820.0	1055.0	1067.2	1101.3	1311.3
42.5°	339.7	468.0	574.9	638.1	708.8	842.4	1067.3	1221.4	1274.4	1423.9	1592.7
40°	437.0	579.2	672.6	753.4	844.4	1039.2	1285.5	1429.9	1473.0	1602.3	1729.3
37.5°	535.7	672.1	776.8	874.2	1000.3	1263.2	1548.2	1667.3	1689.1	1712.8	1994.0
35°	630.8	767.3	892.6	1020.1	1174.8	1553.3	1802.4	1914.4	1910.9	2070.6	2365.1
32.5°	719.7	864.6	1012.6	1183.2	1438.4	1826.1	2075.3	2142.4	2244.0	2476.3	2878.4
30°	808.5	973.3	1143.2	1346.3	1669.6	2005.7	2290.2	2398.0	2572.3	2837.5	3130.1
27.5°	899.9	1084.6	1290.1	1528.2	1852.1	2161.1	2404.1	2661.8	2831.1	3068.8	3276.9
25°	991.0	1202.5	1435.1	1687.1	1982.6	2270.5	2521.8	2819.5	3001.3	3192.9	3387.0
22.5°	1086.5	1322.1	1584.8	1813.1	2092.6	2363.6	2662.7	2985.6	3222.0	3343.7	3474.1
20°	1186.3	1451.4	1731.6	1984.5	2201.2	2450.0	2804.2	3196.5	3501.7	3638.7	3656.5
17.5°	1284.7	1576.7	1877.9	2151.8	2385.5	2606.9	2952.8	3449.2	3828.6	3956.0	4012.6
15°	1380.7	1697.2	2023.5	2314.5	2571.1	2841.9	3211.2	3716.0	4149.8	4290.8	4379.9
12.5°	1473.3	1812.1	2166.7	2471.9	2756.8	3060.6	3445.9	3908.0	4304.0	4576.6	4740.1
10°	1561.5	1920.7	2305.7	2623.0	2940.5	3263.5	3640.1	4051.1	4373.4	4636.3	4868.5
7.5°	1606.0	1991.6	2425.1	2766.8	3119.5	3451.0	3799.1	4151.9	4423.4	4681.3	4905.7
5°	1636.3	2020.7	2462.4	2816.9	3214.6	3576.1	3914.1	4218.1	4456.0	4711.6	4930.8
2.5°	1657.9	2039.5	2487.7	2844.3	3250.3	3614.5	3947.2	4240.2	4482.9	4733.3	4957.8
0°	1671.0	2048.5	2500.6	2861.2	3272.7	3639.8	3966.4	4248.6	4500.8	4743.8	4985.5
-2.5°	1678.4	2075.9	2509.2	2904.6	3294.3	3661.6	3993.3	4268.8	4532.3	4763.5	5005.9
-5°	1677.4	2092.3	2506.9	2933.7	3304.7	3670.1	4006.8	4277.9	4549.4	4778.3	5014.1
-7.5°	1668.3	2096.1	2495.6	2942.8	3305.1	3667.2	4000.9	4282.3	4549.1	4791.9	5014.9
-10°	1652.1	2081.3	2485.1	2919.2	3292.4	3652.4	3982.8	4272.7	4538.5	4789.2	5010.5
-12.5°	1632.9	2050.7	2463.4	2885.2	3266.6	3624.6	3955.4	4248.2	4518.6	4768.7	5000.5
-15°	1604.2	2010.1	2427.6	2842.0	3227.4	3584.2	3919.8	4208.3	4488.0	4732.9	4970.9
-17.5°	1565.6	1959.7	2377.2	2790.8	3174.6	3531.4	3874.2	4155.6	4433.9	4686.9	4916.7
-20°	1516.9	1900.1	2311.8	2732.5	3107.6	3460.6	3792.6	4087.4	4363.9	4621.2	4862.7

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1458.1	1831.5	2233.0	2653.9	3023.9	3373.0	3701.0	4000.5	4287.0	4535.9	4793.2
-25°	1399.2	1759.0	2145.9	2545.1	2926.7	3274.3	3603.3	3895.0	4187.9	4446.8	4691.2
-27.5°	1342.7	1674.9	2044.8	2425.3	2816.5	3162.5	3488.5	3780.5	4064.8	4347.8	4583.1
-30°	1279.4	1577.6	1934.0	2297.5	2678.8	3031.1	3359.6	3662.5	3933.0	4212.5	4465.2
-32.5°	1209.5	1474.4	1817.0	2166.6	2526.2	2886.3	3211.7	3512.6	3794.1	4058.5	4323.6
-35°	1141.1	1391.1	1693.0	2026.1	2364.5	2717.8	3043.4	3341.5	3633.5	3895.4	4148.9
-37.5°	1079.6	1300.9	1561.2	1879.4	2202.8	2536.9	2868.1	3156.6	3434.6	3722.5	3969.7
-40°	1013.1	1204.0	1447.0	1728.3	2033.1	2350.8	2668.0	2966.4	3227.7	3512.3	3784.1
-42.5°	943.4	1125.1	1334.4	1568.4	1856.1	2155.6	2461.7	2753.7	3025.1	3293.5	3562.9
-45°	882.4	1041.5	1219.9	1433.6	1667.8	1949.6	2239.4	2530.5	2790.9	3046.7	3312.7
-47.5°	817.5	957.5	1122.5	1293.2	1496.8	1732.3	2004.9	2273.4	2539.9	2783.3	3018.7
-50°	752.9	881.9	1017.4	1171.2	1339.2	1530.1	1756.5	2006.1	2249.5	2499.5	2732.6
-52.5°	697.2	802.4	924.9	1053.2	1197.0	1355.0	1536.3	1741.3	1962.8	2174.8	2407.5
-55°	639.4	734.3	833.1	946.0	1065.7	1199.1	1347.7	1520.0	1689.0	1885.1	2075.0
-57.5°	586.7	666.7	751.0	844.3	948.2	1054.9	1184.9	1318.9	1472.2	1624.6	1775.0
-60°	537.0	602.4	673.9	752.9	836.4	931.4	1028.4	1143.5	1266.9	1388.6	1516.2
-62.5°	486.9	541.9	600.2	665.8	738.6	810.4	893.2	981.9	1072.8	1175.9	1276.5
-65°	435.4	479.9	529.3	583.7	641.8	702.9	766.5	832.2	909.5	985.1	1058.2
-67.5°	380.6	418.7	458.7	501.5	550.3	598.3	646.2	701.7	758.6	814.5	872.5
-70°	320.0	355.9	389.2	424.0	460.2	497.8	538.8	579.4	619.6	661.5	708.0
-72.5°	258.4	291.4	320.7	346.4	376.1	407.4	437.3	465.9	496.2	528.0	559.5
-75°	206.1	227.9	254.1	278.0	301.6	323.7	343.4	367.6	392.9	416.0	435.1
-77.5°	160.8	180.7	198.6	214.6	233.4	255.5	274.7	291.2	307.3	324.8	343.4
-80°	117.0	133.4	149.8	164.6	175.5	187.9	202.7	219.5	234.1	246.0	256.9
-82.5°	75.5	87.4	99.6	111.9	117.0	120.4	123.6	129.5	138.5	147.5	156.0
-85°	37.7	41.1	48.5	56.1	58.7	60.6	61.8	62.5	65.6	68.4	70.9
-87.5°	18.8	20.6	22.3	24.0	23.1	21.8	20.3	18.5	18.1	17.5	16.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	0.9	0.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	0.8
65°	1.8	1.8	1.9	1.8	1.6	1.5	1.6	1.6	1.4	1.1	0.8
62.5°	3.3	3.7	2.9	2.9	2.8	2.7	2.6	2.5	2.3	2.2	2.3
60°	20.5	12.1	7.1	8.3	7.4	4.9	6.3	7.4	7.4	6.8	6.0
57.5°	113.5	84.8	62.8	149.9	150.4	71.8	86.5	135.9	111.9	36.8	34.2
55°	315.9	377.8	497.3	472.4	480.0	552.1	602.9	533.7	523.3	557.6	644.1
52.5°	567.6	626.6	666.8	704.4	750.1	799.3	850.0	882.2	912.3	944.4	963.5
50°	724.8	808.0	865.1	844.1	962.5	1010.9	961.7	1005.7	1059.3	1074.0	1080.9
47.5°	1070.2	1192.2	1216.4	1295.1	1365.7	1364.1	1304.2	1307.7	1467.3	1608.1	1677.2
45°	1538.0	1542.2	1618.9	1757.7	1856.9	1825.7	1909.4	2099.7	2163.1	2224.4	2274.6
42.5°	1720.2	1795.8	1918.2	2041.0	2114.9	2179.1	2241.1	2311.1	2393.3	2460.0	2513.4
40°	1896.7	1957.6	2083.0	2181.8	2243.0	2302.9	2375.2	2452.7	2528.0	2586.6	2626.6
37.5°	2168.3	2215.5	2246.1	2337.8	2453.6	2400.2	2537.2	2635.5	2680.4	2740.0	2745.3
35°	2579.3	2547.9	2507.3	2872.5	2894.3	2771.0	2899.1	3051.5	2971.2	3138.5	3228.4
32.5°	2943.6	2938.9	3257.7	3449.7	3339.2	3429.4	3724.9	3711.8	3908.7	4000.1	3974.1
30°	3286.8	3403.9	3588.3	3731.3	3750.4	3892.6	4023.8	4138.8	4257.7	4364.3	4371.6
27.5°	3461.0	3613.8	3739.0	3821.8	3914.1	4033.7	4152.8	4282.3	4383.4	4450.2	4466.5
25°	3566.4	3722.5	3817.3	3906.4	4008.3	4111.5	4244.9	4385.9	4467.1	4508.3	4521.4
22.5°	3659.3	3799.6	3901.5	3973.7	4083.5	4194.5	4318.8	4438.2	4526.4	4544.4	4551.0
20°	3748.7	3883.5	4053.7	4160.1	4154.8	4279.9	4399.7	4494.6	4568.2	4567.8	4569.6
17.5°	4007.5	4055.6	4364.4	4598.8	4482.8	4421.6	4751.0	4757.2	4776.8	4737.9	4653.6
15°	4390.6	4478.2	4857.5	5111.7	5031.7	5027.5	5503.3	5385.3	5486.9	5460.3	5574.6
12.5°	4796.4	4900.1	5183.6	5433.2	5552.1	5581.3	5740.2	5889.2	5919.8	5907.7	5885.2
10°	5072.9	5220.6	5334.4	5485.9	5605.9	5728.2	5820.3	5927.2	5962.3	5942.0	5913.4
7.5°	5108.8	5254.9	5388.5	5521.5	5635.7	5734.3	5829.8	5916.9	5952.5	5940.7	5921.1
5°	5131.8	5264.0	5393.6	5528.5	5637.7	5729.0	5824.3	5912.5	5933.5	5919.3	5900.1
2.5°	5145.9	5268.3	5393.2	5527.5	5626.7	5713.7	5810.0	5904.1	5903.9	5897.7	5886.5
0°	5152.7	5275.5	5420.5	5542.0	5653.1	5735.4	5830.7	5922.2	5915.7	5898.7	5879.1
-2.5°	5167.4	5291.8	5439.8	5540.5	5665.6	5741.1	5839.6	5918.8	5915.8	5907.5	5897.7
-5°	5180.4	5320.4	5458.9	5564.7	5690.2	5788.8	5886.8	5948.8	5952.1	5940.4	5924.1
-7.5°	5188.5	5343.6	5475.7	5582.0	5703.7	5818.4	5917.8	5982.7	5984.2	5968.7	5949.2
-10°	5185.8	5349.6	5485.5	5595.4	5720.1	5833.3	5937.2	6019.6	6016.9	6002.2	5985.5
-12.5°	5176.0	5339.6	5479.2	5589.4	5730.9	5847.5	5964.4	6046.4	6050.7	6039.7	6021.6
-15°	5154.5	5323.3	5459.1	5579.5	5718.3	5854.5	5974.6	6065.1	6081.2	6072.1	6057.9
-17.5°	5111.9	5290.1	5434.1	5563.9	5697.0	5842.2	5978.8	6077.7	6099.8	6096.2	6084.3
-20°	5056.0	5239.9	5386.1	5522.1	5667.0	5816.6	5975.5	6065.9	6097.9	6099.9	6091.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4993.3	5173.3	5328.4	5462.0	5619.2	5770.6	5914.5	6020.4	6074.1	6084.1	6084.8
-25°	4918.0	5103.1	5257.1	5399.5	5545.6	5702.0	5847.4	5965.5	6020.1	6046.1	6054.2
-27.5°	4811.7	5003.0	5154.6	5305.0	5453.7	5615.2	5768.1	5896.5	5940.9	5976.7	5991.0
-30°	4687.2	4876.3	5030.9	5168.4	5338.5	5503.2	5661.0	5773.0	5839.9	5880.9	5903.2
-32.5°	4544.0	4734.9	4897.2	5040.7	5202.4	5367.1	5515.5	5633.7	5725.9	5773.2	5797.1
-35°	4388.7	4583.6	4753.4	4904.7	5056.9	5213.9	5367.7	5491.4	5596.4	5637.0	5666.9
-37.5°	4201.4	4416.4	4590.6	4746.6	4891.2	5038.7	5198.9	5340.2	5442.2	5481.6	5513.2
-40°	4009.3	4217.1	4392.8	4559.2	4702.1	4863.2	5017.5	5165.7	5254.2	5300.1	5335.9
-42.5°	3806.6	3994.3	4161.3	4323.0	4482.2	4648.0	4802.2	4956.2	5032.7	5088.1	5132.0
-45°	3572.5	3747.2	3909.5	4060.8	4224.9	4387.9	4542.2	4678.3	4769.4	4841.5	4897.5
-47.5°	3260.4	3473.2	3636.2	3780.1	3942.8	4100.1	4249.6	4377.5	4477.4	4561.7	4626.9
-50°	2943.5	3147.7	3331.5	3493.2	3644.1	3789.6	3931.9	4057.1	4162.8	4254.1	4320.1
-52.5°	2631.3	2822.7	3005.1	3172.0	3317.1	3454.4	3584.6	3710.6	3822.0	3919.7	3983.5
-55°	2278.6	2476.9	2657.3	2812.9	2957.9	3093.7	3222.2	3341.7	3451.4	3550.8	3612.0
-57.5°	1947.8	2121.7	2289.6	2433.2	2570.1	2699.4	2821.3	2935.6	3041.2	3134.8	3193.8
-60°	1643.7	1770.4	1915.0	2047.6	2168.9	2279.0	2392.7	2499.3	2596.3	2678.6	2733.5
-62.5°	1374.9	1479.9	1584.3	1685.1	1783.5	1882.4	1977.6	2066.0	2147.1	2214.5	2262.6
-65°	1135.4	1219.8	1295.2	1366.8	1434.9	1512.9	1585.3	1653.3	1716.4	1768.0	1804.7
-67.5°	934.9	994.2	1046.4	1095.5	1149.2	1204.3	1255.9	1300.9	1339.4	1370.1	1394.3
-70°	753.9	797.6	836.9	876.0	915.2	951.1	985.2	1018.4	1049.8	1075.5	1094.7
-72.5°	590.5	620.3	647.0	677.2	705.4	732.6	756.2	775.3	790.1	804.6	817.1
-75°	450.2	472.6	502.8	528.3	549.4	568.0	585.1	600.4	613.8	625.6	636.0
-77.5°	362.1	381.1	400.3	419.0	436.9	450.3	462.7	475.2	487.4	497.9	507.2
-80°	268.4	282.6	297.4	312.3	327.2	334.6	340.5	345.9	350.8	357.1	362.9
-82.5°	164.1	172.1	180.4	188.7	197.1	199.2	199.9	199.7	198.7	196.4	192.9
-85°	73.0	73.4	73.2	72.4	71.0	68.1	64.6	60.5	55.9	55.2	54.3
-87.5°	16.1	15.7	15.3	14.8	14.2	14.2	14.1	14.0	13.9	14.4	14.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.1	1.3	1.3
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.6
62.5°	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.3	2.5
60°	4.7	3.1	2.6	2.6	2.6	3.1	4.7	6.0	6.8	7.4	7.4
57.5°	28.9	21.5	18.3	17.0	18.3	21.5	28.9	34.2	36.8	111.9	135.9
55°	706.1	742.0	768.9	781.3	768.9	742.0	706.1	644.1	557.6	523.3	533.7
52.5°	980.3	996.0	1005.0	1004.7	1005.0	996.0	980.3	963.5	944.4	912.3	882.2
50°	1092.7	1100.3	1103.0	1101.3	1103.0	1100.3	1092.7	1080.9	1074.0	1059.3	1005.7
47.5°	1614.0	1474.3	1371.7	1347.0	1371.7	1474.3	1614.0	1677.2	1608.1	1467.3	1307.7
45°	2298.7	2351.7	2404.5	2420.9	2404.5	2351.7	2298.7	2274.6	2224.4	2163.1	2099.7
42.5°	2535.9	2553.1	2562.9	2563.3	2562.9	2553.1	2535.9	2513.4	2460.0	2393.3	2311.1
40°	2649.0	2665.3	2674.7	2675.6	2674.7	2665.3	2649.0	2626.6	2586.6	2528.0	2452.7
37.5°	2751.8	2765.6	2774.8	2784.1	2774.8	2765.6	2751.8	2745.3	2740.0	2680.4	2635.5
35°	3216.3	3111.1	2959.8	2982.7	2959.8	3111.1	3216.3	3228.4	3138.5	2971.2	3051.5
32.5°	4014.8	4059.0	4086.6	4133.7	4086.6	4059.0	4014.8	3974.1	4000.1	3908.7	3711.8
30°	4383.2	4397.9	4420.0	4443.3	4420.0	4397.9	4383.2	4371.6	4364.3	4257.7	4138.8
27.5°	4475.2	4490.3	4503.8	4513.8	4503.8	4490.3	4475.2	4466.5	4450.2	4383.4	4282.3
25°	4523.3	4532.7	4547.0	4559.6	4547.0	4532.7	4523.3	4521.4	4508.3	4467.1	4385.9
22.5°	4547.2	4548.2	4559.4	4575.2	4559.4	4548.2	4547.2	4551.0	4544.4	4526.4	4438.2
20°	4563.6	4554.7	4566.3	4576.5	4566.3	4554.7	4563.6	4569.6	4567.8	4568.2	4494.6
17.5°	4772.5	4653.3	4604.3	4605.3	4604.3	4653.3	4772.5	4653.6	4737.9	4776.8	4757.2
15°	5446.3	5491.0	5662.4	5755.0	5662.4	5491.0	5446.3	5574.6	5460.3	5486.9	5385.3
12.5°	5881.0	5865.2	5844.8	5872.6	5844.8	5865.2	5881.0	5885.2	5907.7	5919.8	5889.2
10°	5901.2	5899.4	5863.1	5902.6	5863.1	5899.4	5901.2	5913.4	5942.0	5962.3	5927.2
7.5°	5888.9	5890.0	5874.5	5913.1	5874.5	5890.0	5888.9	5921.1	5940.7	5952.5	5916.9
5°	5897.0	5870.5	5880.5	5902.6	5880.5	5870.5	5897.0	5900.1	5919.3	5933.5	5912.5
2.5°	5874.2	5871.5	5851.9	5867.3	5851.9	5871.5	5874.2	5886.5	5897.7	5903.9	5904.1
0°	5856.9	5842.5	5842.5	5855.6	5842.5	5842.5	5856.9	5879.1	5898.7	5915.7	5922.2
-2.5°	5887.8	5884.8	5882.9	5873.9	5882.9	5884.8	5887.8	5897.7	5907.5	5915.8	5918.8
-5°	5913.2	5905.4	5884.0	5913.1	5884.0	5905.4	5913.2	5924.1	5940.4	5952.1	5948.8
-7.5°	5940.5	5920.6	5900.4	5945.7	5900.4	5920.6	5940.5	5949.2	5968.7	5984.2	5982.7
-10°	5965.4	5936.8	5917.0	5961.4	5917.0	5936.8	5965.4	5985.5	6002.2	6016.9	6019.6
-12.5°	5998.4	5964.9	5951.7	5975.8	5951.7	5964.9	5998.4	6021.6	6039.7	6050.7	6046.4
-15°	6033.6	6010.4	6007.3	6021.5	6007.3	6010.4	6033.6	6057.9	6072.1	6081.2	6065.1
-17.5°	6064.5	6048.2	6056.3	6072.4	6056.3	6048.2	6064.5	6084.3	6096.2	6099.8	6077.7
-20°	6079.3	6070.1	6079.2	6119.5	6079.2	6070.1	6079.3	6091.9	6099.9	6097.9	6065.9



REPORT NUMBER: P645429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6078.0	6078.6	6094.6	6107.7	6094.6	6078.6	6078.0	6084.8	6084.1	6074.1	6020.4
-25°	6054.8	6067.0	6085.3	6111.6	6085.3	6067.0	6054.8	6054.2	6046.1	6020.1	5965.5
-27.5°	5998.9	6019.2	6038.3	6065.9	6038.3	6019.2	5998.9	5991.0	5976.7	5940.9	5896.5
-30°	5918.0	5942.1	5959.2	5988.8	5959.2	5942.1	5918.0	5903.2	5880.9	5839.9	5773.0
-32.5°	5819.6	5846.9	5867.1	5888.2	5867.1	5846.9	5819.6	5797.1	5773.2	5725.9	5633.7
-35°	5696.6	5726.0	5747.4	5766.7	5747.4	5726.0	5696.6	5666.9	5637.0	5596.4	5491.4
-37.5°	5548.7	5580.4	5604.9	5626.9	5604.9	5580.4	5548.7	5513.2	5481.6	5442.2	5340.2
-40°	5376.5	5409.1	5435.2	5459.7	5435.2	5409.1	5376.5	5335.9	5300.1	5254.2	5165.7
-42.5°	5175.2	5208.0	5235.0	5259.8	5235.0	5208.0	5175.2	5132.0	5088.1	5032.7	4956.2
-45°	4942.7	4976.4	5005.0	5031.2	5005.0	4976.4	4942.7	4897.5	4841.5	4769.4	4678.3
-47.5°	4674.9	4711.0	4735.4	4747.7	4735.4	4711.0	4674.9	4626.9	4561.7	4477.4	4377.5
-50°	4367.9	4404.1	4433.4	4455.0	4433.4	4404.1	4367.9	4320.1	4254.1	4162.8	4057.1
-52.5°	4030.1	4064.4	4089.6	4104.9	4089.6	4064.4	4030.1	3983.5	3919.7	3822.0	3710.6
-55°	3660.1	3696.1	3720.1	3731.3	3720.1	3696.1	3660.1	3612.0	3550.8	3451.4	3341.7
-57.5°	3240.5	3274.7	3300.1	3314.5	3300.1	3274.7	3240.5	3193.8	3134.8	3041.2	2935.6
-60°	2776.3	2806.9	2826.2	2833.7	2826.2	2806.9	2776.3	2733.5	2678.6	2596.3	2499.3
-62.5°	2301.4	2330.4	2348.5	2355.6	2348.5	2330.4	2301.4	2262.6	2214.5	2147.1	2066.0
-65°	1832.0	1850.2	1860.2	1861.7	1860.2	1850.2	1832.0	1804.7	1768.0	1716.4	1653.3
-67.5°	1413.4	1427.2	1435.6	1438.4	1435.6	1427.2	1413.4	1394.3	1370.1	1339.4	1300.9
-70°	1109.0	1118.6	1124.0	1124.9	1124.0	1118.6	1109.0	1094.7	1075.5	1049.8	1018.4
-72.5°	826.8	833.6	831.3	825.7	831.3	833.6	826.8	817.1	804.6	790.1	775.3
-75°	645.0	652.5	649.4	644.1	649.4	652.5	645.0	636.0	625.6	613.8	600.4
-77.5°	515.3	522.1	518.7	513.4	518.7	522.1	515.3	507.2	497.9	487.4	475.2
-80°	368.0	372.0	374.9	376.3	374.9	372.0	368.0	362.9	357.1	350.8	345.9
-82.5°	188.4	182.8	179.3	175.1	179.3	182.8	188.4	192.9	196.4	198.7	199.7
-85°	53.3	52.0	52.9	53.6	52.9	52.0	53.3	54.3	55.2	55.9	60.5
-87.5°	15.2	15.6	15.7	15.7	15.7	15.6	15.2	14.8	14.4	13.9	14.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645429 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.9	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.6
65°	1.6	1.5	1.6	1.8	1.9	1.8	1.8	1.9	1.9	1.8	1.7
62.5°	2.6	2.7	2.8	2.9	2.9	3.7	3.3	3.3	3.1	3.7	5.1
60°	6.3	4.9	7.4	8.3	7.1	12.1	20.5	18.4	5.4	29.6	34.1
57.5°	86.5	71.8	150.4	149.9	62.8	84.8	113.5	74.8	48.9	83.8	110.7
55°	602.9	552.1	480.0	472.4	497.3	377.8	315.9	304.0	237.9	154.7	183.8
52.5°	850.0	799.3	750.1	704.4	666.8	626.6	567.6	503.7	483.3	389.2	300.1
50°	961.7	1010.9	962.5	844.1	865.1	808.0	724.8	656.9	670.9	613.2	494.4
47.5°	1304.2	1364.1	1365.7	1295.1	1216.4	1192.2	1070.2	858.2	872.5	870.0	744.2
45°	1909.4	1825.7	1856.9	1757.7	1618.9	1542.2	1538.0	1311.3	1101.3	1067.2	1055.0
42.5°	2241.1	2179.1	2114.9	2041.0	1918.2	1795.8	1720.2	1592.7	1423.9	1274.4	1221.4
40°	2375.2	2302.9	2243.0	2181.8	2083.0	1957.6	1896.7	1729.3	1602.3	1473.0	1429.9
37.5°	2537.2	2400.2	2453.6	2337.8	2246.1	2215.5	2168.3	1994.0	1712.8	1689.1	1667.3
35°	2899.1	2771.0	2894.3	2872.5	2507.3	2547.9	2579.3	2365.1	2070.6	1910.9	1914.4
32.5°	3724.9	3429.4	3339.2	3449.7	3257.7	2938.9	2943.6	2878.4	2476.3	2244.0	2142.4
30°	4023.8	3892.6	3750.4	3731.3	3588.3	3403.9	3286.8	3130.1	2837.5	2572.3	2398.0
27.5°	4152.8	4033.7	3914.1	3821.8	3739.0	3613.8	3461.0	3276.9	3068.8	2831.1	2661.8
25°	4244.9	4111.5	4008.3	3906.4	3817.3	3722.5	3566.4	3387.0	3192.9	3001.3	2819.5
22.5°	4318.8	4194.5	4083.5	3973.7	3901.5	3799.6	3659.3	3474.1	3343.7	3222.0	2985.6
20°	4399.7	4279.9	4154.8	4160.1	4053.7	3883.5	3748.7	3656.5	3638.7	3501.7	3196.5
17.5°	4751.0	4421.6	4482.8	4598.8	4364.4	4055.6	4007.5	4012.6	3956.0	3828.6	3449.2
15°	5503.3	5027.5	5031.7	5111.7	4857.5	4478.2	4390.6	4379.9	4290.8	4149.8	3716.0
12.5°	5740.2	5581.3	5552.1	5433.2	5183.6	4900.1	4796.4	4740.1	4576.6	4304.0	3908.0
10°	5820.3	5728.2	5605.9	5485.9	5334.4	5220.6	5072.9	4868.5	4636.3	4373.4	4051.1
7.5°	5829.8	5734.3	5635.7	5521.5	5388.5	5254.9	5108.8	4905.7	4681.3	4423.4	4151.9
5°	5824.3	5729.0	5637.7	5528.5	5393.6	5264.0	5131.8	4930.8	4711.6	4456.0	4218.1
2.5°	5810.0	5713.7	5626.7	5527.5	5393.2	5268.3	5145.9	4957.8	4733.3	4482.9	4240.2
0°	5830.7	5735.4	5653.1	5542.0	5420.5	5275.5	5152.7	4985.5	4743.8	4500.8	4248.6
-2.5°	5839.6	5741.1	5665.6	5540.5	5439.8	5291.8	5167.4	5005.9	4763.5	4532.3	4268.8
-5°	5886.8	5788.8	5690.2	5564.7	5458.9	5320.4	5180.4	5014.1	4778.3	4549.4	4277.9
-7.5°	5917.8	5818.4	5703.7	5582.0	5475.7	5343.6	5188.5	5014.9	4791.9	4549.1	4282.3
-10°	5937.2	5833.3	5720.1	5595.4	5485.5	5349.6	5185.8	5010.5	4789.2	4538.5	4272.7
-12.5°	5964.4	5847.5	5730.9	5589.4	5479.2	5339.6	5176.0	5000.5	4768.7	4518.6	4248.2
-15°	5974.6	5854.5	5718.3	5579.5	5459.1	5323.3	5154.5	4970.9	4732.9	4488.0	4208.3
-17.5°	5978.8	5842.2	5697.0	5563.9	5434.1	5290.1	5111.9	4916.7	4686.9	4433.9	4155.6
-20°	5975.5	5816.6	5667.0	5522.1	5386.1	5239.9	5056.0	4862.7	4621.2	4363.9	4087.4



REPORT NUMBER: P645429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5914.5	5770.6	5619.2	5462.0	5328.4	5173.3	4993.3	4793.2	4535.9	4287.0	4000.5
-25°	5847.4	5702.0	5545.6	5399.5	5257.1	5103.1	4918.0	4691.2	4446.8	4187.9	3895.0
-27.5°	5768.1	5615.2	5453.7	5305.0	5154.6	5003.0	4811.7	4583.1	4347.8	4064.8	3780.5
-30°	5661.0	5503.2	5338.5	5168.4	5030.9	4876.3	4687.2	4465.2	4212.5	3933.0	3662.5
-32.5°	5515.5	5367.1	5202.4	5040.7	4897.2	4734.9	4544.0	4323.6	4058.5	3794.1	3512.6
-35°	5367.7	5213.9	5056.9	4904.7	4753.4	4583.6	4388.7	4148.9	3895.4	3633.5	3341.5
-37.5°	5198.9	5038.7	4891.2	4746.6	4590.6	4416.4	4201.4	3969.7	3722.5	3434.6	3156.6
-40°	5017.5	4863.2	4702.1	4559.2	4392.8	4217.1	4009.3	3784.1	3512.3	3227.7	2966.4
-42.5°	4802.2	4648.0	4482.2	4323.0	4161.3	3994.3	3806.6	3562.9	3293.5	3025.1	2753.7
-45°	4542.2	4387.9	4224.9	4060.8	3909.5	3747.2	3572.5	3312.7	3046.7	2790.9	2530.5
-47.5°	4249.6	4100.1	3942.8	3780.1	3636.2	3473.2	3260.4	3018.7	2783.3	2539.9	2273.4
-50°	3931.9	3789.6	3644.1	3493.2	3331.5	3147.7	2943.5	2732.6	2499.5	2249.5	2006.1
-52.5°	3584.6	3454.4	3317.1	3172.0	3005.1	2822.7	2631.3	2407.5	2174.8	1962.8	1741.3
-55°	3222.2	3093.7	2957.9	2812.9	2657.3	2476.9	2278.6	2075.0	1885.1	1689.0	1520.0
-57.5°	2821.3	2699.4	2570.1	2433.2	2289.6	2121.7	1947.8	1775.0	1624.6	1472.2	1318.9
-60°	2392.7	2279.0	2168.9	2047.6	1915.0	1770.4	1643.7	1516.2	1388.6	1266.9	1143.5
-62.5°	1977.6	1882.4	1783.5	1685.1	1584.3	1479.9	1374.9	1276.5	1175.9	1072.8	981.9
-65°	1585.3	1512.9	1434.9	1366.8	1295.2	1219.8	1135.4	1058.2	985.1	909.5	832.2
-67.5°	1255.9	1204.3	1149.2	1095.5	1046.4	994.2	934.9	872.5	814.5	758.6	701.7
-70°	985.2	951.1	915.2	876.0	836.9	797.6	753.9	708.0	661.5	619.6	579.4
-72.5°	756.2	732.6	705.4	677.2	647.0	620.3	590.5	559.5	528.0	496.2	465.9
-75°	585.1	568.0	549.4	528.3	502.8	472.6	450.2	435.1	416.0	392.9	367.6
-77.5°	462.7	450.3	436.9	419.0	400.3	381.1	362.1	343.4	324.8	307.3	291.2
-80°	340.5	334.6	327.2	312.3	297.4	282.6	268.4	256.9	246.0	234.1	219.5
-82.5°	199.9	199.2	197.1	188.7	180.4	172.1	164.1	156.0	147.5	138.5	129.5
-85°	64.6	68.1	71.0	72.4	73.2	73.4	73.0	70.9	68.4	65.6	62.5
-87.5°	14.1	14.2	14.2	14.8	15.3	15.7	16.1	16.9	17.5	18.1	18.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.3	1.3	1.4
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	2.0	2.1
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	2.0	2.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.7	2.0	2.3
75°	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.4	1.7	2.0	2.3
72.5°	1.3	1.3	1.3	1.5	1.6	1.7	1.5	1.4	1.7	2.1	2.4
70°	1.5	1.4	1.3	1.5	1.8	2.1	2.0	2.1	1.8	2.1	2.4
67.5°	1.9	2.0	1.8	1.8	1.9	2.2	2.5	2.9	2.9	2.2	2.4
65°	2.0	2.3	2.7	3.7	3.3	2.3	2.6	5.1	4.1	3.5	2.5
62.5°	4.3	2.4	8.2	11.1	6.2	4.9	3.9	11.4	7.1	4.8	3.5
60°	10.3	8.4	23.0	36.9	25.8	8.7	12.8	19.7	18.1	6.2	4.9
57.5°	95.8	33.0	47.8	69.0	67.8	36.8	26.9	35.8	30.8	17.7	6.9
55°	204.6	172.2	113.7	104.1	112.5	90.8	59.1	58.0	47.5	32.9	11.2
52.5°	280.6	292.9	254.9	178.1	155.1	147.8	115.4	84.1	74.6	49.4	28.6
50°	406.2	378.3	374.5	314.4	217.4	196.8	170.4	131.3	104.7	70.7	48.3
47.5°	573.8	504.1	467.1	440.1	346.9	250.9	223.5	179.6	137.9	101.9	69.0
45°	820.0	651.5	580.0	536.2	475.4	352.8	279.6	226.5	179.8	136.8	90.7
42.5°	1067.3	842.4	708.8	638.1	574.9	468.0	339.7	280.6	220.5	172.3	118.1
40°	1285.5	1039.2	844.4	753.4	672.6	579.2	437.0	338.5	260.5	208.9	149.4
37.5°	1548.2	1263.2	1000.3	874.2	776.8	672.1	535.7	398.9	308.6	247.3	180.7
35°	1802.4	1553.3	1174.8	1020.1	892.6	767.3	630.8	470.3	367.5	286.3	212.0
32.5°	2075.3	1826.1	1438.4	1183.2	1012.6	864.6	719.7	557.1	426.9	325.7	243.1
30°	2290.2	2005.7	1669.6	1346.3	1143.2	973.3	808.5	640.5	486.3	365.5	274.6
27.5°	2404.1	2161.1	1852.1	1528.2	1290.1	1084.6	899.9	720.1	545.7	409.2	307.4
25°	2521.8	2270.5	1982.6	1687.1	1435.1	1202.5	991.0	796.1	610.6	458.6	339.8
22.5°	2662.7	2363.6	2092.6	1813.1	1584.8	1322.1	1086.5	872.9	675.4	507.0	371.7
20°	2804.2	2450.0	2201.2	1984.5	1731.6	1451.4	1186.3	947.9	736.6	554.1	402.9
17.5°	2952.8	2606.9	2385.5	2151.8	1877.9	1576.7	1284.7	1020.6	793.9	599.7	433.2
15°	3211.2	2841.9	2571.1	2314.5	2023.5	1697.2	1380.7	1090.4	847.5	643.5	461.4
12.5°	3445.9	3060.6	2756.8	2471.9	2166.7	1812.1	1473.3	1156.8	897.1	678.5	486.5
10°	3640.1	3263.5	2940.5	2623.0	2305.7	1920.7	1561.5	1210.9	926.8	704.6	509.7
7.5°	3799.1	3451.0	3119.5	2766.8	2425.1	1991.6	1606.0	1242.4	949.9	726.8	530.8
5°	3914.1	3576.1	3214.6	2816.9	2462.4	2020.7	1636.3	1268.1	968.5	745.3	549.8
2.5°	3947.2	3614.5	3250.3	2844.3	2487.7	2039.5	1657.9	1287.7	982.8	760.3	566.7
0°	3966.4	3639.8	3272.7	2861.2	2500.6	2048.5	1671.0	1301.2	992.9	772.1	581.4
-2.5°	3993.3	3661.6	3294.3	2904.6	2509.2	2075.9	1678.4	1310.0	1005.7	776.3	590.0
-5°	4006.8	3670.1	3304.7	2933.7	2506.9	2092.3	1677.4	1312.8	1014.1	777.8	596.2
-7.5°	4000.9	3667.2	3305.1	2942.8	2495.6	2096.1	1668.3	1309.9	1017.4	776.7	600.1
-10°	3982.8	3652.4	3292.4	2919.2	2485.1	2081.3	1652.1	1301.6	1015.5	773.4	601.6
-12.5°	3955.4	3624.6	3266.6	2885.2	2463.4	2050.7	1632.9	1287.3	1007.3	768.1	600.6
-15°	3919.8	3584.2	3227.4	2842.0	2427.6	2010.1	1604.2	1266.6	991.3	762.0	597.1
-17.5°	3874.2	3531.4	3174.6	2790.8	2377.2	1959.7	1565.6	1239.6	971.3	754.6	589.9
-20°	3792.6	3460.6	3107.6	2732.5	2311.8	1900.1	1516.9	1206.4	947.5	744.0	579.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3701.0	3373.0	3023.9	2653.9	2233.0	1831.5	1458.1	1166.8	920.1	730.3	567.2
-25°	3603.3	3274.3	2926.7	2545.1	2145.9	1759.0	1399.2	1121.1	889.2	713.3	552.9
-27.5°	3488.5	3162.5	2816.5	2425.3	2044.8	1674.9	1342.7	1080.6	859.3	693.1	536.6
-30°	3359.6	3031.1	2678.8	2297.5	1934.0	1577.6	1279.4	1037.3	834.0	671.0	518.5
-32.5°	3211.7	2886.3	2526.2	2166.6	1817.0	1474.4	1209.5	991.0	804.8	647.5	501.7
-35°	3043.4	2717.8	2364.5	2026.1	1693.0	1391.1	1141.1	941.9	771.7	622.1	484.0
-37.5°	2868.1	2536.9	2202.8	1879.4	1561.2	1300.9	1079.6	893.4	734.7	595.0	464.5
-40°	2668.0	2350.8	2033.1	1728.3	1447.0	1204.0	1013.1	845.6	699.8	566.0	443.1
-42.5°	2461.7	2155.6	1856.1	1568.4	1334.4	1125.1	943.4	794.0	662.8	538.1	419.9
-45°	2239.4	1949.6	1667.8	1433.6	1219.9	1041.5	882.4	740.6	623.5	509.5	396.0
-47.5°	2004.9	1732.3	1496.8	1293.2	1122.5	957.5	817.5	694.4	582.1	478.9	372.0
-50°	1756.5	1530.1	1339.2	1171.2	1017.4	881.9	752.9	646.0	544.2	445.1	346.8
-52.5°	1536.3	1355.0	1197.0	1053.2	924.9	802.4	697.2	596.3	505.2	412.7	320.5
-55°	1347.7	1199.1	1065.7	946.0	833.1	734.3	639.4	552.3	465.1	380.2	293.9
-57.5°	1184.9	1054.9	948.2	844.3	751.0	666.7	586.7	507.3	426.7	346.6	272.8
-60°	1028.4	931.4	836.4	752.9	673.9	602.4	537.0	462.2	387.8	313.0	249.4
-62.5°	893.2	810.4	738.6	665.8	600.2	541.9	486.9	418.2	347.9	281.9	224.0
-65°	766.5	702.9	641.8	583.7	529.3	479.9	435.4	373.0	307.9	248.9	197.6
-67.5°	646.2	598.3	550.3	501.5	458.7	418.7	380.6	324.3	266.1	214.2	171.4
-70°	538.8	497.8	460.2	424.0	389.2	355.9	320.0	272.5	222.4	183.1	144.6
-72.5°	437.3	407.4	376.1	346.4	320.7	291.4	258.4	221.4	186.2	151.5	117.2
-75°	343.4	323.7	301.6	278.0	254.1	227.9	206.1	180.2	149.5	119.2	94.5
-77.5°	274.7	255.5	233.4	214.6	198.6	180.7	160.8	138.3	114.0	92.7	73.0
-80°	202.7	187.9	175.5	164.6	149.8	133.4	117.0	100.6	82.9	66.4	51.2
-82.5°	123.6	120.4	117.0	111.9	99.6	87.4	75.5	63.8	51.3	39.7	32.9
-85°	61.8	60.6	58.7	56.1	48.5	41.1	37.7	34.2	29.9	25.9	22.0
-87.5°	20.3	21.8	23.1	24.0	22.3	20.6	18.8	17.1	15.0	13.0	11.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.6	0.5	0.3	0.2	0.1	0.0
85°	1.3	1.1	0.9	0.7	0.5	0.3	0.0
82.5°	2.0	1.7	1.4	1.0	0.7	0.4	0.0
80°	2.6	2.2	1.8	1.4	0.9	0.6	0.0
77.5°	2.6	2.6	2.2	1.7	1.1	0.7	0.0
75°	2.6	2.7	2.6	2.0	1.4	0.8	0.0
72.5°	2.7	2.8	2.7	2.3	1.6	1.0	0.0
70°	2.7	2.9	2.9	2.6	1.8	1.1	0.0
67.5°	3.1	3.0	3.0	2.8	2.1	1.3	0.0
65°	3.5	3.5	3.1	2.9	2.3	1.4	0.0
62.5°	4.1	4.3	3.3	3.0	2.5	1.5	0.0
60°	4.8	5.2	3.4	3.1	2.8	1.7	0.0
57.5°	8.9	6.3	4.4	3.3	2.9	1.8	0.0
55°	14.2	7.4	5.5	3.4	3.1	1.9	0.0
52.5°	20.4	9.5	6.7	3.6	3.2	2.1	0.0
50°	27.5	16.2	7.9	3.7	3.4	2.2	0.0
47.5°	37.0	23.4	9.1	4.1	3.5	2.3	0.0
45°	55.9	31.2	10.4	5.1	3.7	2.4	0.0
42.5°	75.2	39.4	11.8	6.1	3.8	2.6	0.0
40°	95.0	48.1	15.9	7.3	4.0	2.7	0.0
37.5°	115.1	57.3	22.7	8.9	4.2	2.8	0.0
35°	135.5	71.1	29.6	10.7	4.3	2.9	0.0
32.5°	157.7	87.3	36.6	12.6	4.5	3.0	0.0
30°	183.0	103.3	43.7	14.6	4.7	3.1	0.0
27.5°	207.8	119.1	52.4	16.9	4.8	3.2	0.0
25°	232.1	134.6	61.3	19.2	5.0	3.3	0.0
22.5°	255.6	150.5	70.2	21.6	5.2	3.4	0.0
20°	278.3	167.5	79.1	24.1	5.3	3.5	0.0
17.5°	300.8	183.9	87.7	26.6	5.5	3.5	0.0
15°	322.4	199.7	96.2	29.2	5.7	3.6	0.0
12.5°	342.6	214.8	104.4	31.7	5.8	3.7	0.0
10°	361.4	229.1	112.2	34.2	6.0	3.7	0.0
7.5°	378.6	242.4	119.6	36.6	6.1	3.8	0.0
5°	394.3	254.6	126.5	38.9	6.3	3.8	0.0
2.5°	408.3	265.8	132.8	41.1	6.4	3.9	0.0
0°	420.7	275.7	138.5	43.1	6.5	3.9	0.0
-2.5°	426.9	282.0	143.8	45.9	7.5	4.1	0.0
-5°	431.3	286.9	148.2	48.5	8.5	4.3	0.0
-7.5°	434.2	290.5	151.9	50.8	9.5	4.5	0.0
-10°	435.5	292.8	154.7	52.8	10.4	4.7	0.0
-12.5°	435.3	293.7	156.5	54.5	11.3	4.9	0.0
-15°	433.6	293.3	157.4	55.8	12.2	5.1	0.0
-17.5°	430.4	291.5	157.3	56.8	13.0	5.2	0.0
-20°	425.5	288.4	156.2	57.4	13.7	5.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	418.4	284.0	154.0	57.5	14.4	5.5	0.0
-25°	409.6	277.2	150.7	57.3	14.9	5.5	0.0
-27.5°	399.2	268.7	146.3	56.6	15.4	5.6	0.0
-30°	387.2	259.0	140.8	55.4	15.8	5.7	0.0
-32.5°	373.5	248.2	134.4	53.8	16.1	5.7	0.0
-35°	358.7	236.2	127.3	51.7	16.4	5.7	0.0
-37.5°	342.9	224.2	119.4	49.1	16.5	5.6	0.0
-40°	325.8	213.3	110.9	46.0	16.5	5.6	0.0
-42.5°	307.5	201.6	104.4	42.7	16.4	5.5	0.0
-45°	288.0	189.2	100.0	39.4	16.2	5.4	0.0
-47.5°	267.5	176.1	94.8	35.5	15.9	5.2	0.0
-50°	250.3	162.3	88.8	34.3	15.5	5.1	0.0
-52.5°	233.1	147.8	82.0	33.6	15.0	4.9	0.0
-55°	215.3	136.8	74.5	32.6	14.4	4.7	0.0
-57.5°	196.8	125.7	66.3	31.1	13.8	4.5	0.0
-60°	177.9	113.5	57.6	29.4	13.0	4.2	0.0
-62.5°	160.8	100.4	53.6	27.3	12.2	4.0	0.0
-65°	142.4	86.4	48.9	24.9	11.3	3.7	0.0
-67.5°	122.8	74.7	43.7	22.3	10.4	3.3	0.0
-70°	102.2	65.4	38.0	19.3	9.4	3.0	0.0
-72.5°	86.4	55.4	31.9	17.0	8.4	2.7	0.0
-75°	70.7	44.7	25.4	14.8	7.3	2.3	0.0
-77.5°	54.1	33.6	21.0	12.5	6.1	2.0	0.0
-80°	36.9	25.6	17.0	10.1	4.9	1.6	0.0
-82.5°	27.1	19.3	12.8	7.6	3.7	1.2	0.0
-85°	18.2	13.0	8.6	5.1	2.5	0.8	0.0
-87.5°	9.1	6.5	4.3	2.6	1.3	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)